



GrowerFacts Extra Cuphea Sweet Talk™

Additional Culture Research

from

PanAmerican Seed®

Cuphea Sweet Talk™

Ethylene damage prevention, published 2023

PanAmericanSeed.

OBJECTIVE

- Determine if Cuphea Sweet Talk is sensitive to ethylene
- Demonstrate if EthylBloc® prevents ethylene damage

MATERIALS AND METHODS

- To simulate a shipping truck environment, plants were placed in a sealed dark chamber with temperature set at 20°C (68°F).
- One replication was pretreated with EthylBloc®, while the other was untreated.
- Plants were exposed to 1.5 ppm ethylene for 24 hours, then evaluated for plant quality.

VARIETIES

- Cuphea Sweet Talk Red
- Cuphea Sweet Talk Deep Pink
- Cuphea Sweet Talk Lavender Splash



Lavender Splash

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ANNUALS

Mature Flowering Plants Used



Lavender Splash

Deep Pink

Red

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Cuphea Sweet Talk plants after exposure to 1.5 ppm ethylene for 24 hours

Left: Control
Right: EthylBloc® Treated



Lavender Splash



Deep Pink



Red

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SUMMARY

- Cuphea Sweet Talk is sensitive to ethylene. The flowers dropped after being exposed to 1.5 ppm ethylene for 24 hours.
- EthylBloc® is effective at protecting Cuphea Sweet Talk from ethylene damage.
- Growers should use an ethylene-blocking product to reduce the loss of plant quality when shipping.



Red